



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510774.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510774

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUE DATE] 6/4/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1142-NS-RGBW-(G)

[LUMINAIRE] 1142 Narrow Spot Green Output

[BALLASTCAT] ELDOLED PW50U-M4Z0X1

[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND

[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.

[MORE] Base file 80239581-26

[INPUT] 120VAC

[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 6 V
Maximum Candela	858
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	87.0
Vertical Beam Angle (50%)	28.8
Horizontal Field Angle (10%)	138.3
Vertical Field Angle (10%)	122.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	362
Beam Efficiency	N.A.
Field Lumens	841
Field Efficiency	N.A.
Spill Lumens	102
Luminaire Lumens	942
Total Efficiency	N.A.
Total Luminaire Watts	20.66
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	4	85	2
75	42	75	36
65	117	65	75
55	235	55	105
47.5	356	47.5	120
42.5	447	42.5	130
37.5	537	37.5	142
33	628	33	158
29	687	29	181
25.5	740	25.5	211
22.5	775	22.5	248
19.5	798	19.5	301
17	817	17	356
15	827	15	410
13	833	13	475
11	840	11	545
9	847	9	625
7	852	7	710
5	854	5	784
3	858	3	826
1	858	1	849
0	858	0	858
-1	858	-1	849
-3	858	-3	826
-5	854	-5	784
-7	852	-7	710
-9	847	-9	625
-11	840	-11	545
-13	833	-13	475
-15	827	-15	410
-17	817	-17	356
-19.5	798	-19.5	301
-22.5	775	-22.5	248
-25.5	740	-25.5	211
-29	687	-29	181
-33	628	-33	158
-37.5	537	-37.5	142
-42.5	447	-42.5	130
-47.5	356	-47.5	120
-55	235	-55	105
-65	117	-65	75
-75	42	-75	36
-85	4	-85	2
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 858

Beam Edge = 429 Cd (50% of Max.)

Field Edge = 85.8 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	1	1	0	1	1	1	2	2
75.0	0	1	2	5	9	12	15	18	21	24
65.0	0	1	6	14	24	32	37	43	49	54
55.0	0	1	12	28	43	54	61	68	74	80
47.5	0	2	17	41	60	71	78	85	91 *	97 *
42.5	0	2	21	50	73	84	91 *	97 *	103 *	108 *
37.5	0	3	25	60	88 *	100 *	107 *	113 *	118 *	123 *
33.0	0	3	28	69	103 *	118 *	125 *	130 *	136 *	140 *
29.0	0	3	30	77	119 *	138 *	146 *	153 *	158 *	163 *
25.5	0	3	33	85	135 *	159 *	169 *	178 *	184 *	189 *
22.5	0	4	35	91 *	149 *	180 *	195 *	205 *	213 *	219 *
19.5	0	4	36	96 *	164 *	205 *	224 *	240 *	251 *	260 *
17.0	0	4	38	101 *	178 *	228 *	254 *	274 *	290 *	303 *
15.0	0	4	38	104 *	188 *	247 *	280 *	305 *	327 *	342 *
13.0	0	4	39	108 *	198 *	268 *	307 *	341 *	367 *	390 *
11.0	0	4	40	111 *	207 *	287 *	337 *	379 *	413 *	441 *
9.0	0	4	41	112 *	215 *	306 *	366 *	419 *	461 *	496 *
7.0	0	4	41	114 *	223 *	323 *	392 *	457 *	510 *	553 *
5.0	0	4	42	115 *	227 *	338 *	417 *	491 *	555 *	609 *
3.0	0	4	42	116 *	232 *	347 *	433 *	516 *	596 *	658 *
1.0	0	4	42	117 *	234 *	353 *	442 *	531 *	618 *	679 *
0.0	0	4	42	117 *	235 *	356 *	447 *	537 *	628 *	687 *
-1.0	0	4	42	117 *	234 *	353 *	442 *	531 *	618 *	679 *
-3.0	0	4	42	116 *	232 *	347 *	433 *	516 *	596 *	658 *
-5.0	0	4	42	115 *	227 *	338 *	417 *	491 *	555 *	609 *
-7.0	0	4	41	114 *	223 *	323 *	392 *	457 *	510 *	553 *
-9.0	0	4	41	112 *	215 *	306 *	366 *	419 *	461 *	496 *
-11.0	0	4	40	111 *	207 *	287 *	337 *	379 *	413 *	441 *
-13.0	0	4	39	108 *	198 *	268 *	307 *	341 *	367 *	390 *
-15.0	0	4	38	104 *	188 *	247 *	280 *	305 *	327 *	342 *
-17.0	0	4	38	101 *	178 *	228 *	254 *	274 *	290 *	303 *
-19.5	0	4	36	96 *	164 *	205 *	224 *	240 *	251 *	260 *
-22.5	0	4	35	91 *	149 *	180 *	195 *	205 *	213 *	219 *
-25.5	0	3	33	85	135 *	159 *	169 *	178 *	184 *	189 *
-29.0	0	3	30	77	119 *	138 *	146 *	153 *	158 *	163 *
-33.0	0	3	28	69	103 *	118 *	125 *	130 *	136 *	140 *
-37.5	0	3	25	60	88 *	100 *	107 *	113 *	118 *	123 *
-42.5	0	2	21	50	73	84	91 *	97 *	103 *	108 *
-47.5	0	2	17	41	60	71	78	85	91 *	97 *
-55.0	0	1	12	28	43	54	61	68	74	80
-65.0	0	1	6	14	24	32	37	43	49	54
-75.0	0	1	2	5	9	12	15	18	21	24
-85.0	0	0	1	1	0	1	1	1	2	2
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	2	3	3	3	3	3	3	3	2	2
75.0	26	28	30	31	32	33	34	34	35	35
65.0	58	61	65	67	69	70	72	73	74	75
55.0	85	89 *	93 *	96 *	98 *	99 *	101 *	102 *	103 *	104 *
47.5	102 *	105 *	109 *	112 *	113 *	115 *	117 *	118 *	119 *	120 *
42.5	113 *	116 *	119 *	122 *	124 *	125 *	127 *	128 *	129 *	130 *
37.5	127 *	130 *	132 *	135 *	136 *	138 *	139 *	140 *	141 *	141 *
33.0	144 *	147 *	149 *	152 *	153 *	154 *	156 *	157 *	157 *	158 *
29.0	166 *	169 *	172 *	174 *	176 *	177 *	178 *	179 *	180 *	181 *
25.5	193 *	197 *	200 *	203 *	205 *	207 *	207 *	209 *	211 *	212 *
22.5	226 *	231 *	235 *	238 *	240 *	242 *	243 *	246 *	247 *	248 *
19.5	268 *	274 *	280 *	285 *	287 *	290 *	293 *	295 *	297 *	297 *
17.0	313 *	321 *	329 *	336 *	340 *	344 *	347 *	351 *	353 *	354 *
15.0	357 *	368 *	377 *	384 *	391 *	395 *	401 *	403 *	407 *	410 *
13.0	407 *	421 *	433 *	442 *	448 *	455 *	461 *	466 *	469 *	473 *
11.0	463 *	480 *	495 *	506 *	516 *	523 *	529 *	535 *	541 *	544 *
9.0	525 *	547 *	567 *	581 *	592 *	602 *	607 *	619 *	624 *	637 *
7.0	591 *	617 *	640 *	658 *	668 *	683 *	693 *	701 *	717 *	715 *
5.0	657 *	685 *	715 *	737 *	748 *	758 *	765 *	774 *	778 *	781 *
3.0	700 *	737 *	766 *	787 *	799 *	807 *	815 *	821 *	826 *	826 *
1.0	729 *	767 *	793 *	811 *	822 *	831 *	839 *	844 *	849 *	853 *
0.0	740 *	775 *	798 *	817 *	827 *	833 *	840 *	847 *	852 *	854 *
-1.0	729 *	767 *	793 *	811 *	822 *	831 *	839 *	844 *	849 *	853 *
-3.0	700 *	737 *	766 *	787 *	799 *	807 *	815 *	821 *	826 *	826 *
-5.0	657 *	685 *	715 *	737 *	748 *	758 *	765 *	774 *	778 *	781 *
-7.0	591 *	617 *	640 *	658 *	668 *	683 *	693 *	701 *	717 *	715 *
-9.0	525 *	547 *	567 *	581 *	592 *	602 *	607 *	619 *	624 *	637 *
-11.0	463 *	480 *	495 *	506 *	516 *	523 *	529 *	535 *	541 *	544 *
-13.0	407 *	421 *	433 *	442 *	448 *	455 *	461 *	466 *	469 *	473 *
-15.0	357 *	368 *	377 *	384 *	391 *	395 *	401 *	403 *	407 *	410 *
-17.0	313 *	321 *	329 *	336 *	340 *	344 *	347 *	351 *	353 *	354 *
-19.5	268 *	274 *	280 *	285 *	287 *	290 *	293 *	295 *	297 *	297 *
-22.5	226 *	231 *	235 *	238 *	240 *	242 *	243 *	246 *	247 *	248 *
-25.5	193 *	197 *	200 *	203 *	205 *	207 *	207 *	209 *	211 *	212 *
-29.0	166 *	169 *	172 *	174 *	176 *	177 *	178 *	179 *	180 *	181 *
-33.0	144 *	147 *	149 *	152 *	153 *	154 *	156 *	157 *	157 *	158 *
-37.5	127 *	130 *	132 *	135 *	136 *	138 *	139 *	140 *	141 *	141 *
-42.5	113 *	116 *	119 *	122 *	124 *	125 *	127 *	128 *	129 *	130 *
-47.5	102 *	105 *	109 *	112 *	113 *	115 *	117 *	118 *	119 *	120 *
-55.0	85	89 *	93 *	96 *	98 *	99 *	101 *	102 *	103 *	104 *
-65.0	58	61	65	67	69	70	72	73	74	75
-75.0	26	28	30	31	32	33	34	34	35	35
-85.0	2	3	3	3	3	3	3	3	2	2
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	2	2	2	2	2	2	2	3	3	3
75.0	35	36	36	36	35	35	35	34	34	33
65.0	75	75	75	75	75	75	74	73	72	70

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CANDELA TABULATION - (Cont.)

55.0	105 *	105 *	105 *	105 *	105 *	104 *	103 *	102 *	101 *	99 *
47.5	120 *	120 *	120 *	120 *	120 *	120 *	119 *	118 *	117 *	115 *
42.5	130 *	130 *	130 *	130 *	130 *	130 *	129 *	128 *	127 *	125 *
37.5	142 *	142 *	142 *	142 *	142 *	141 *	141 *	140 *	139 *	138 *
33.0	159 *	158 *	158 *	158 *	159 *	158 *	157 *	157 *	156 *	154 *
29.0	181 *	181 *	181 *	181 *	181 *	181 *	180 *	179 *	178 *	177 *
25.5	212 *	212 *	211 *	212 *	212 *	212 *	211 *	209 *	207 *	207 *
22.5	248 *	249 *	248 *	249 *	248 *	248 *	247 *	246 *	243 *	242 *
19.5	299 *	301 *	301 *	301 *	299 *	297 *	297 *	295 *	293 *	290 *
17.0	355 *	357 *	356 *	357 *	355 *	354 *	353 *	351 *	347 *	344 *
15.0	410 *	412 *	410 *	412 *	410 *	410 *	407 *	403 *	401 *	395 *
13.0	474 *	475 *	475 *	475 *	474 *	473 *	469 *	466 *	461 *	455 *
11.0	547 *	552 *	545 *	552 *	547 *	544 *	541 *	535 *	529 *	523 *
9.0	629 *	636 *	625 *	636 *	629 *	637 *	624 *	619 *	607 *	602 *
7.0	722 *	720 *	710 *	720 *	722 *	715 *	717 *	701 *	693 *	683 *
5.0	782 *	788 *	784 *	788 *	782 *	781 *	778 *	774 *	765 *	758 *
3.0	827 *	824 *	826 *	824 *	827 *	826 *	826 *	821 *	815 *	807 *
1.0	855 *	852 *	849 *	852 *	855 *	853 *	849 *	844 *	839 *	831 *
0.0	858 *	858 *	858 *	858 *	858 *	854 *	852 *	847 *	840 *	833 *
-1.0	855 *	852 *	849 *	852 *	855 *	853 *	849 *	844 *	839 *	831 *
-3.0	827 *	824 *	826 *	824 *	827 *	826 *	826 *	821 *	815 *	807 *
-5.0	782 *	788 *	784 *	788 *	782 *	781 *	778 *	774 *	765 *	758 *
-7.0	722 *	720 *	710 *	720 *	722 *	715 *	717 *	701 *	693 *	683 *
-9.0	629 *	636 *	625 *	636 *	629 *	637 *	624 *	619 *	607 *	602 *
-11.0	547 *	552 *	545 *	552 *	547 *	544 *	541 *	535 *	529 *	523 *
-13.0	474 *	475 *	475 *	475 *	474 *	473 *	469 *	466 *	461 *	455 *
-15.0	410 *	412 *	410 *	412 *	410 *	410 *	407 *	403 *	401 *	395 *
-17.0	355 *	357 *	356 *	357 *	355 *	354 *	353 *	351 *	347 *	344 *
-19.5	299 *	301 *	301 *	301 *	299 *	297 *	297 *	295 *	293 *	290 *
-22.5	248 *	249 *	248 *	249 *	248 *	248 *	247 *	246 *	243 *	242 *
-25.5	212 *	212 *	211 *	212 *	212 *	212 *	211 *	209 *	207 *	207 *
-29.0	181 *	181 *	181 *	181 *	181 *	181 *	180 *	179 *	178 *	177 *
-33.0	159 *	158 *	158 *	158 *	159 *	158 *	157 *	157 *	156 *	154 *
-37.5	142 *	142 *	142 *	142 *	142 *	141 *	141 *	140 *	139 *	138 *
-42.5	130 *	130 *	130 *	130 *	130 *	130 *	129 *	128 *	127 *	125 *
-47.5	120 *	120 *	120 *	120 *	120 *	120 *	119 *	118 *	117 *	115 *
-55.0	105 *	105 *	105 *	105 *	105 *	104 *	103 *	102 *	101 *	99 *
-65.0	75	75	75	75	75	75	74	73	72	70
-75.0	35	36	36	36	35	35	35	34	34	33
-85.0	2	2	2	2	2	2	2	3	3	3
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	3	3	3	3	2	2	2	1	1	1
75.0	32	31	30	28	26	24	21	18	15	12
65.0	69	67	65	61	58	54	49	43	37	32
55.0	98 *	96 *	93 *	89 *	85	80	74	68	61	54
47.5	113 *	112 *	109 *	105 *	102 *	97 *	91 *	85	78	71
42.5	124 *	122 *	119 *	116 *	113 *	108 *	103 *	97 *	91 *	84
37.5	136 *	135 *	132 *	130 *	127 *	123 *	118 *	113 *	107 *	100 *
33.0	153 *	152 *	149 *	147 *	144 *	140 *	136 *	130 *	125 *	118 *
29.0	176 *	174 *	172 *	169 *	166 *	163 *	158 *	153 *	146 *	138 *
25.5	205 *	203 *	200 *	197 *	193 *	189 *	184 *	178 *	169 *	159 *

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CANDELA TABULATION - (Cont.)

22.5	240 *	238 *	235 *	231 *	226 *	219 *	213 *	205 *	195 *	180 *
19.5	287 *	285 *	280 *	274 *	268 *	260 *	251 *	240 *	224 *	205 *
17.0	340 *	336 *	329 *	321 *	313 *	303 *	290 *	274 *	254 *	228 *
15.0	391 *	384 *	377 *	368 *	357 *	342 *	327 *	305 *	280 *	247 *
13.0	448 *	442 *	433 *	421 *	407 *	390 *	367 *	341 *	307 *	268 *
11.0	516 *	506 *	495 *	480 *	463 *	441 *	413 *	379 *	337 *	287 *
9.0	592 *	581 *	567 *	547 *	525 *	496 *	461 *	419 *	366 *	306 *
7.0	668 *	658 *	640 *	617 *	591 *	553 *	510 *	457 *	392 *	323 *
5.0	748 *	737 *	715 *	685 *	657 *	609 *	555 *	491 *	417 *	338 *
3.0	799 *	787 *	766 *	737 *	700 *	658 *	596 *	516 *	433 *	347 *
1.0	822 *	811 *	793 *	767 *	729 *	679 *	618 *	531 *	442 *	353 *
0.0	827 *	817 *	798 *	775 *	740 *	687 *	628 *	537 *	447 *	356 *
-1.0	822 *	811 *	793 *	767 *	729 *	679 *	618 *	531 *	442 *	353 *
-3.0	799 *	787 *	766 *	737 *	700 *	658 *	596 *	516 *	433 *	347 *
-5.0	748 *	737 *	715 *	685 *	657 *	609 *	555 *	491 *	417 *	338 *
-7.0	668 *	658 *	640 *	617 *	591 *	553 *	510 *	457 *	392 *	323 *
-9.0	592 *	581 *	567 *	547 *	525 *	496 *	461 *	419 *	366 *	306 *
-11.0	516 *	506 *	495 *	480 *	463 *	441 *	413 *	379 *	337 *	287 *
-13.0	448 *	442 *	433 *	421 *	407 *	390 *	367 *	341 *	307 *	268 *
-15.0	391 *	384 *	377 *	368 *	357 *	342 *	327 *	305 *	280 *	247 *
-17.0	340 *	336 *	329 *	321 *	313 *	303 *	290 *	274 *	254 *	228 *
-19.5	287 *	285 *	280 *	274 *	268 *	260 *	251 *	240 *	224 *	205 *
-22.5	240 *	238 *	235 *	231 *	226 *	219 *	213 *	205 *	195 *	180 *
-25.5	205 *	203 *	200 *	197 *	193 *	189 *	184 *	178 *	169 *	159 *
-29.0	176 *	174 *	172 *	169 *	166 *	163 *	158 *	153 *	146 *	138 *
-33.0	153 *	152 *	149 *	147 *	144 *	140 *	136 *	130 *	125 *	118 *
-37.5	136 *	135 *	132 *	130 *	127 *	123 *	118 *	113 *	107 *	100 *
-42.5	124 *	122 *	119 *	116 *	113 *	108 *	103 *	97 *	91 *	84
-47.5	113 *	112 *	109 *	105 *	102 *	97 *	91 *	85	78	71
-55.0	98 *	96 *	93 *	89 *	85	80	74	68	61	54
-65.0	69	67	65	61	58	54	49	43	37	32
-75.0	32	31	30	28	26	24	21	18	15	12
-85.0	3	3	3	3	2	2	2	1	1	1
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

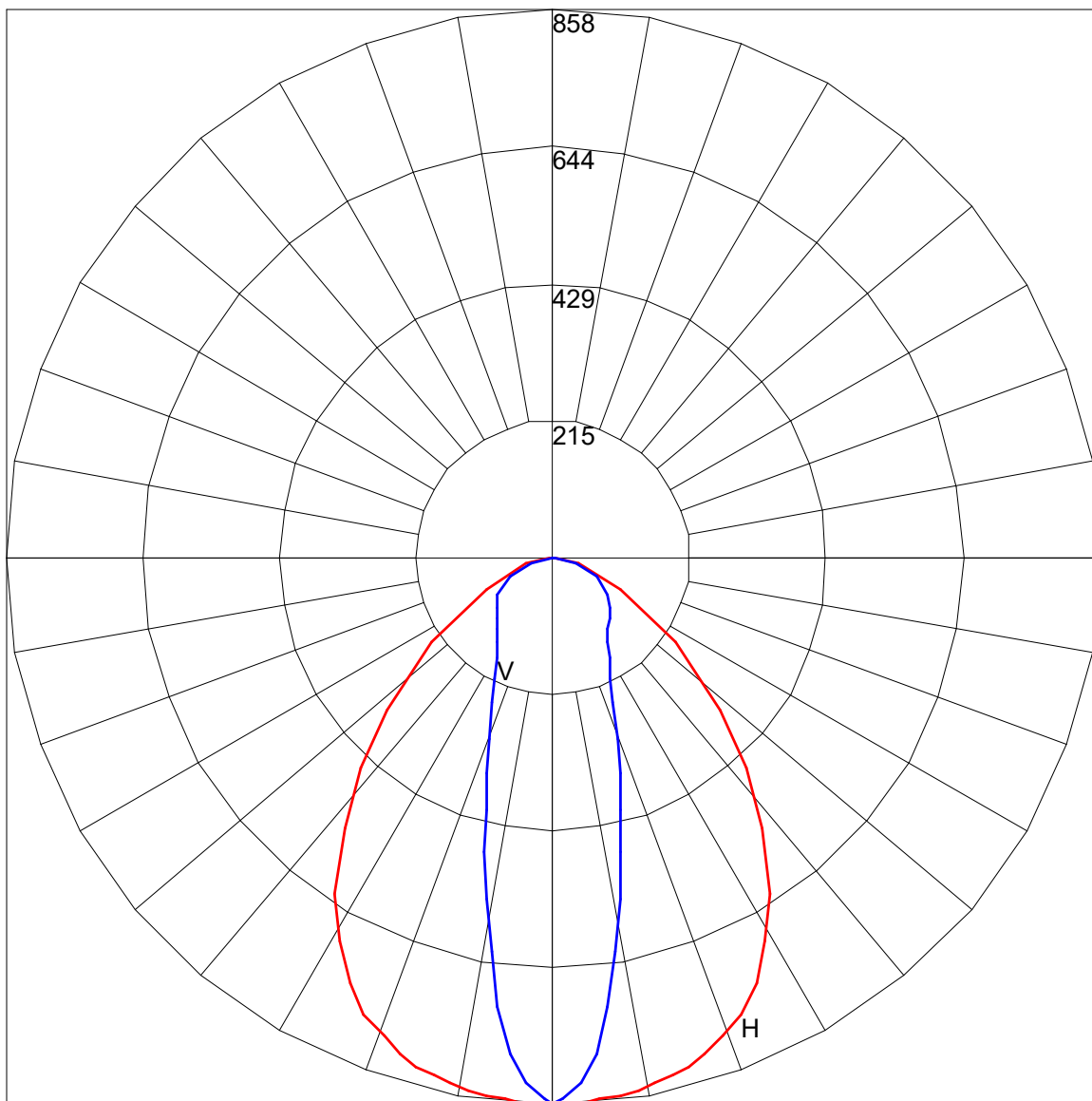
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	1	1	0	0
75.0	9	5	2	1	0
65.0	24	14	6	1	0
55.0	43	28	12	1	0
47.5	60	41	17	2	0
42.5	73	50	21	2	0
37.5	88 *	60	25	3	0
33.0	103 *	69	28	3	0
29.0	119 *	77	30	3	0
25.5	135 *	85	33	3	0
22.5	149 *	91 *	35	4	0
19.5	164 *	96 *	36	4	0
17.0	178 *	101 *	38	4	0
15.0	188 *	104 *	38	4	0
13.0	198 *	108 *	39	4	0
11.0	207 *	111 *	40	4	0
9.0	215 *	112 *	41	4	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510774.IES

CANDELA TABULATION - (Cont.)

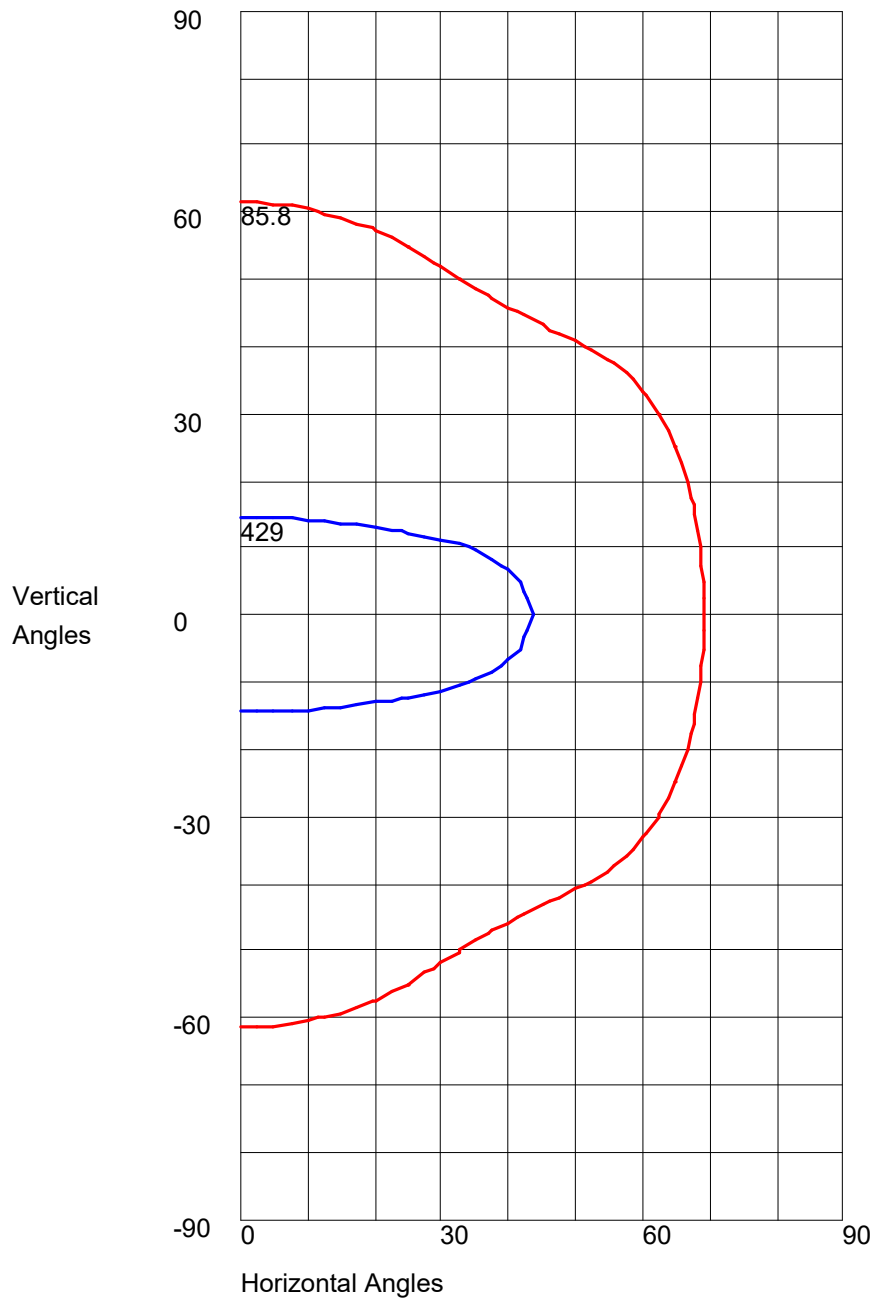
7.0	223 *	114 *	41	4	0
5.0	227 *	115 *	42	4	0
3.0	232 *	116 *	42	4	0
1.0	234 *	117 *	42	4	0
0.0	235 *	117 *	42	4	0
-1.0	234 *	117 *	42	4	0
-3.0	232 *	116 *	42	4	0
-5.0	227 *	115 *	42	4	0
-7.0	223 *	114 *	41	4	0
-9.0	215 *	112 *	41	4	0
-11.0	207 *	111 *	40	4	0
-13.0	198 *	108 *	39	4	0
-15.0	188 *	104 *	38	4	0
-17.0	178 *	101 *	38	4	0
-19.5	164 *	96 *	36	4	0
-22.5	149 *	91 *	35	4	0
-25.5	135 *	85	33	3	0
-29.0	119 *	77	30	3	0
-33.0	103 *	69	28	3	0
-37.5	88 *	60	25	3	0
-42.5	73	50	21	2	0
-47.5	60	41	17	2	0
-55.0	43	28	12	1	0
-65.0	24	14	6	1	0
-75.0	9	5	2	1	0
-85.0	0	1	1	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 858 Located At Horizontal Angle =-3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 858 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 429
10% Maximum Candela = 85.8